

BRIDGE CONSISTS OF

1 - 40'-0" TYPE I MOD PSC BEAM SPAN ----- SPECIAL DESIGN
1 - 87'-0" TYPE III PSC BEAM SPAN ----- SPECIAL DESIGN
1 - 60'-0" TYPE II PSC BEAM SPAN ----- SPECIAL DESIGN
2 - STEEL H PILE END BENTS ----- SPECIAL DESIGN
2 - CONCRETE INTERMEDIATE BENTS ----- SPECIAL DESIGN
4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- SPECIAL DESIGN
(L = 4'-6"; W = 1'-1"; H = 3'-6")
BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
CHAIN LINK WIRE FENCE ----- GA. STD. 9031N (8-13-85)
TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (9-99)

TRAFFIC DATA

TRAFFIC ----- ADT = 3,000 (2011)
ADT = 4,500 (2031)
DESIGN SPEED ----- 45 MPH
TRUCKS ----- 5 %
24 HR TRUCKS ----- 7.5 %
DIRECTIONAL ----- 60 %

PROPOSED UTILITIES

6 INCH DIAMETER WATER MAIN ----- CITY OF WARM SPRINGS

DESIGN DATA

SPECIFICATIONS ----- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
TYPICAL HS20-44 AND/OR MILITARY LOADING ----- IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT
CONCRETE: SUPERSTRUCTURE ----- CLASS AA, $f_c = 3,500$ PSI
PSC BEAMS ----- CLASS AAA, $f_c =$ SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION ----- SEE BEAM SHEETS
SUBSTRUCTURE ----- CLASS AA, $f_c = 3,500$ PSI
REINFORCEMENT STEEL ----- GRADE 60, $f_y = 60,000$ PSI
PRETENSIONING STRANDS ----- $f_p = 270,000$ PSI

GENERAL NOTES


SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.
REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.
CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.
RAILROAD SIDE DITCHES - PRIOR TO THE BEGINNING OF CONSTRUCTION, CLEAN THE RAILROAD SIDE DITCHES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE. MAINTAIN THE RAILROAD SIDE DITCHES FREE OF SILT AND DEBRIS UNTIL FINAL ACCEPTANCE. SEE ROADWAY PLANS FOR EROSION CONTROL AND PAYMENT.
PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE, SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 22'-0" ABOVE CSX TRANSPORTATION.
TRAFFIC CONTROLS - ROAD TO BE CLOSED DURING BRIDGE CONSTRUCTION. SEE ROADWAY PLANS FOR DETOUR, TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.
EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0530. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER WPGM 2709-C(1).
WAITING PERIOD - NONE REQUIRED.
FOUNDATION BACKFILL MATERIAL - PLACE 1'-0" OF TYPE II FOUNDATION BACKFILL MATERIAL UNDER EACH FOOTING AT BENTS 2 AND 3. THE QUANTITY IS BASED ON THE PLAN FOOTING DIMENSIONS PLUS 2'-0".
PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.
VIBRATION MONITORING - THE PROJECT ENGINEER SHOULD CONTACT THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH AT 404-363-7546 TWO WEEKS PRIOR TO DRIVING PILES.
DRIVING DATA PILES - ONE DRIVING DATA PILE SHALL BE REQUIRED AT BENTS 1 & 3.
SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.
△ WATER/SEWER MAIN HANGERS - PIPE ROLL SUPPORT ASSEMBLIES, KEEPER STRAPS, STEEL CASING AND ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. INCLUDE THE COST IN THE OVERALL BID SUBMITTED.
GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.
PSC BEAMS - PRESTRESSED CONCRETE AASHTO TYPE I MODIFIED BEAMS SHALL BE PAID FOR AS "LF PSC BEAMS, AASHTO TYPE I".
CHAIN LINK FENCE - CHAIN LINK FENCE SHALL BE PAID FOR AS "LF CH LK FENCE, ZC COAT, 6 FT, 9 GA".
WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.
SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.
INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

| PAY ITEM NUMBER | QUANTITY | UNIT | PAY ITEM |
|-----------------|----------|------|---|
| 207-0203 | 13 | CY | FOUND BK FILL MATL, TP II |
| 211-0200 | 147 | CY | BRIDGE EXCAVATION, GRADE SEPARATION |
| 441-0004 | 675 | SY | CONC SLOPE PAV, 4 IN |
| 500-0100 | 706 | SY | GROOVED CONCRETE |
| 500-1006 | LUMP | LS | SUPERSTR CONCRETE, CL AA, BR NO - 1 (310) |
| 500-2110 | 362 | LF | CONCRETE PARAPET, SPCL DESIGN |
| 500-3002 | 150 | CY | CLASS AA CONCRETE |
| 507-9001 | 271 | LF | PSC BEAMS, AASHTO TYPE I, BR NO - 1 |
| 507-9002 | 410 | LF | PSC BEAMS, AASHTO TYPE II, BR NO - 1 |
| 507-9003 | 603 | LF | PSC BEAMS, AASHTO TYPE III, BR NO - 1 |
| 511-1000 | 29661 | LB | BAR REINF STEEL |
| 511-3000 | LUMP | LS | SUPERSTR REINF STEEL, BR NO - 1 (69905) △ |
| 520-1104 | 480 | LF | PILING IN PLACE, STEEL H, HP 10 X 42 |
| 520-1125 | 310 | LF | PILING IN PLACE, STEEL H, HP 12 X 53 |
| 520-1147 | 560 | LF | PILING IN PLACE, STEEL H, HP 14 X 73 |
| 520-4104 | 1 | EA | LOAD TEST, STEEL H, HP 10 X 42 (IF REQ'D) |
| 520-4125 | 1 | EA | LOAD TEST, STEEL H, HP 12 X 53 (IF REQ'D) |
| 520-4147 | 1 | EA | LOAD TEST, STEEL H, HP 14 X 73 (IF REQ'D) |
| 540-1102 | LUMP | LS | REMOVAL OF EXISTING BR, BR NO - 1 |
| 643-1152 | 358 | LF | CH LK FENCE, ZC COAT, 6 FT, 9 GA |

RAILROAD REQUIREMENTS

TEMPORARY SHORING - PROVIDE SHORING PROTECTION WHEN EXCAVATING FOR STRUCTURAL COMPONENTS ADJACENT TO ACTIVE RAILROAD SITES. SEE "SPECIAL PROVISION FOR PROTECTION OF RAILWAY INTERESTS" FOR DETAILS, AND CSX TRANSPORTATION "CRITERIA FOR OVERHEAD BRIDGES" FOR THE DESIGN AND CONSTRUCTION OF THE SHORING.
DEMOLITION AND ERECTION PROCEDURE - CONTRACTOR SHALL SUBMIT PLANS FOR THE DEMOLITION OF THE EXISTING STRUCTURE TO CSX TRANSPORTATION FOR REVIEW AND APPROVAL PRIOR TO COMMENCING THE WORK. PROVIDE AN ERECTION PROCEDURE SUBMITTAL WHEN ERECTING THE SPANS OVER ACTIVE RAILROAD TRACKS. SEE "SPECIAL PROVISION FOR PROTECTION OF RAILWAY INTERESTS" FOR DETAILS.

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| DRAWING NO. 35 - 02 | | DATE 07-15-11 | BY KAK | REVISIONS REVISED NOTE | | | | | BRIDGE NO. 1 | | |
| BRIDGE SHEET 2 OF 20 | | | | | | | | | | | |
| <div>Heath & Lineback Engineers INCORPORATED 2390 CANTON ROAD, BUILDING 200 MARIETTA, GEORGIA 30066-5393</div> | | | | | | | | | GEORGIA | | |
| DEPARTMENT OF TRANSPORTATION | | | | | | | | | PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN | | |
| GENERAL NOTES | | | | | | | | | | | |
| SR 85 ALT OVER CSX TRANSPORTATION | | | | | | | | | | | |
| MERIWETHER COUNTY BRST0-0074-01(051) | | | | | | | | | | | |
| NO SCALE | | | | | | | | | MARCH 2010 | | |
| DESIGNED NYC | | | CHECKED KAK/MS | | | REVIEWED WEI/WMD | | | | | |
| DRAWN NYC | | | DESIGN GROUP EJC | | | APPROVED PVL | | | | | |

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